UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/694,626	10/23/2000	Dennis L. Venable	D/99807	9088

7590	02/02/2004

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EXAMINER
SAIN, GAUTAM

ART UNIT	PAPER NUMBER
2176	

DATE MAILED: 02/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

-- *The MAILING DATE of this communication appears on the c ver sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _23 October 2000_ .

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
  closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-12_ is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-12_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

　　If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Pri rity under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All b)☐ Some * c)☐ None of:

　　　1.☐ Certified copies of the priority documents have been received.

　　　2.☐ Certified copies of the priority documents have been received in Application No. _____ .

　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
　　　　application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

14)☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

　　a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _2_ .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other:　.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1)   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

1-1)   Claims 1, 2, 3, 4, 5, 6, 8 are rejected under 35 U.S.C. 102(e) as being

anticipated by <u>Shiimori</u> (US 6,567,983 B1, issued May 20, 2003).

In regard to independent claim 1,Shiimori teaches "naming each file of a set of

files, each file representing either a page image or an image component of a page

image, according to a naming convention" (ie., list of images based on the filename in

an electronic photoalbum)(col 14, lines 8-12; Fig 11a).

Shiimori teaches "organizing said files into a hierarchical arrangement" (ie.,a

figure showing a hierarchical structure of image files for an album information

management folder containing electronic album files...)(figure 16; col 12, lines 30-67).

Shiimori teaches "applying a writer application which recognizes the files by the

naming convention to write a single file, multi-page document" (ie., an electronic album

file which contains a plurality of images from image files, selects the images and the

image display order)(col 2, lines 54 – col 3, line 15).

In regard to dependent claim 2, Shiimori teaches "providing a file within the set

of files with a simple file name, the simple file name causing the writer application to

generate a single page file" (ie., creating an album file relating to the electronic album

which can be a single page where the user can name the file according to a naming

convention which is simple for the application/user subjectively)(col 6, lines 45-63; figure

3).

In regard to dependent claim 3, Shiimori teaches "naming a file within the set of

files as a directory of source files as a directory of source files, the directory causing the

writer application to generate a multi-page document" (ie., generated image

management folder by the image server)(col 12, lines 30-67; col 2, lines 54-63; figure

16 shows a directory structure of source image files and a management folder for

generation of documents).

In regard to dependent claim 4, Shiimori teaches "directory is named according

to a naming convention which identifies each file within the directory as relating to a

page" (ie., directory structure where thumbnails and cooresponding frames are stored in

separate folders and the image manager correlates the thumbnails with the image

files)(fig 16; col 12, lines 30-67; col 2, lines 54-63).

In regard to dependent claim 5, Shiimori teaches "naming the file within the set

of files as a directory of page directories, the directories causing the writer application to

generate a multi-page document with each page directory corresponding to a page"(ie.,

an electronic information manager folder including an album file and an image fram file

management fodler)(fig 16; col 12, lines 30-67; col 2, lines 54-63).

In regard to dependent claim 6, Shiimori teaches "each page directory includes

a plurality of files, each files, each file corresponding to a page image component for a

single page image" (ie., an electronic album file with one or more image files for

display)(col 2, lines 54-63, lines 14-24).

In regard to dependent claim 8, Shiimori teaches "a directive file, the directive

file being readable by the writer application and instructing the writer application to

process another file in the set of files in a predetermined manner" (ie., image server

processes frame image data files to display and coorelates in the electronic album file

in a determined order)(col 2, lines 5-34, lines 58-63).

Claim Rejections - 35 USC § 103

2)   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

2-1)   Claims 7,9,10,11,12 are rejected under 35 U.S.C. 103(a) as being

unpatentable over <u>Shiimori</u>, in view of <u>DeAguiar</u> et al (US Patent No. 5,263,136,

issued Nov. 16, 1993).

In regard to dependent claim 7, Shiimori as applied to claims 1, 5 and 6 does

not teach, but DeAguiar does teaches "page image components are MRC profile layers

in TIFF_FX" (ie., tiled raster image file; load tile to raster image function into memory)

(see DeAguiar, col 15, line 55-60; col 24, line 47- col 25, line 65; col 4, lines 7-16).

It would have been obvious to one of ordinary skill in the art at the time of the

invention to modify the teaching of Shiimori to include raster images in TIFF as taught

by DeAguiar, providing the benefit of enhancing the main memory storage for relevant

sections of digital images, linking raster images with an editor and managing image memory (see DeAguiar, Title, Abstract, col 1 – col 4).

In regard to dependent claim 9, Shiimori as applied to claims 1 and 8 does not teach, but DeAguiar does teach "the predetermined manner relates to selecting a compression technique" (ie., system for memory managing/editing compressed and uncompressed images)(DeAguiar, col 4, lines 20-50; col 2, lines 15-30; Abstract; Summary).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teaching of Shiimori to include a memory management system that processes compression raster images as taught by DeAguiar, providing the benefit of enhancing the main memory storage for relevant sections of digital images, processing compressed and uncompressed files of raster images with an editor and managing image memory space (see DeAguiar, Title, Abstract, col 1 – col 4).

In regard to dependent claim 10, Shiimori as applied to claims 1 and 8 does not teach, but DeAguiar does teach " ... selecting a quality level for a compression technique" (ie., system for memory managing/editing compressed and uncompressed images)(DeAguiar, col 4, lines 20-50; col 2, lines 15-30; Abstract; Summary).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teaching of Shiimori to include a memory management system that processes compression raster images as taught by DeAguiar, providing the benefit of enhancing the main memory storage for relevant sections of digital images,

processing compressed and uncompressed files of raster images with an editor and managing image memory space (see DeAguiar, Title, Abstract, col 1 – col 4).

In regard to dependent claim 11, Shiimori teaches thumbnail files images in one file of a frame image in a second file (Shiimori, col 2, lines 32-40). Shiimori, as applied to claim 1, does not teach, but DeAguiar does teach "set of files is compressed according to a first compression scheme..."(ie., system for memory managing/editing compressed and uncompressed images)(DeAguiar, col 4, lines 20-50; col 2, lines 15-30, Abstract; Summary).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teaching of Shiimori to include a memory management system that processes compressed/uncompressed raster images as taught by DeAguiar, providing the benefit of enhancing the main memory storage for relevant sections of digital images, processing compressed and uncompressed files of raster images with an editor and managing image memory space (see DeAguiar, Title, Abstract, col 1 – col 4).

In regard to dependent claim 12, Shiimori teaches thumbnail size image files of larger frame image files (Shiimori, col 12, lines 32-40). Shiimori, as applied to claim 1 does not teach, however, DeAguiar does teach "...monochrome image...relates to a color image"(ie., color and gray images)(DeAguiar, col 2, lines 30-35).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teaching of Shiimori to include a memory management system that processes color and monochrome, compressed/uncompressed raster images as taught by DeAguiar, providing the benefit of enhancing the main memory storage for

relevant sections of digital images, processing compressed and uncompressed files of

raster images with an editor and managing image memory space (see DeAguiar, Title,

Abstract, col 1 – col 4).

Other References

3)   Reference considered but not cited:

A.   Campanelli et al. (US Patent No. 5,666,503, issued Sep 9, 1997)

B.   Yaksich et al. (US Patent No. 5,563,999, issued Oct 8, 1996)

C.   Ikeda et al. (US Patent No. 6,111,586, issued Aug. 29, 2000)

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Gautam Sain whose telephone number is 703-305-

8777. The examiner can normally be reached on M-F 9-5 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Joseph Feild can be reached on (703)305-9792. The fax phone number for

the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703)305-

3900.

Gautam Sain
Patent Examiner
Technology Center 2100

JOSEPH H. FEILD
PRIMARY EXAMINER